

Ground Water and Solid Waste Program

- The GWSWP can provide all services in a cost effective, timely manner for Active Army, Army Reserve, National Guard and other Department of Defense installations.
- The GWSWP also conducts field investigations using in-house drilling and direct push technology. Typical applications include installation of ground-water monitoring wells and multimedia sampling for CERCLA and RCRA compliance actions and Underground Storage Tank investigations.
- Solid Waste services include Integrated Solid Waste Management Plans, identifying recycling and pollution prevention opportunities, and Affirmative Procurement training.



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<http://chppm-www.apgea.army.mil/gswsp>

Monitoring Wells Services



United States Army
Center for Health Promotion and Preventive Medicine
Ground Water and Solid Waste Program

Services for Existing Monitoring Wells

Many Installations have numerous monitoring wells installed over the course of several decades. Usually, there is no method of accounting for all wells or to determine if they are functional or even still required. Deteriorated and unused wells represent direct conduits to ground-water aquifers from natural or intentional pollution. Most States have regulations pertaining to deteriorated or abandoned wells that apply penalties or fines for noncompliance. The Ground Water and Solid Waste Program (GWSWP) has developed the following services to address these issues.

Monitoring Well Inventory and Inspection

- Review installation, county, state and other records to locate all wells on the installation
- Verify all well locations for accuracy and obtain Global Positioning System coordinates
- Determine relevant physical characteristics and condition of wells
- Develop uniform numbering system for all wells
- Create database for organizing and utilizing well data
- Develop accurate well location maps using Geographic Information System (ArcView GIS and AutoCAD Map)

- Inspect for wells that are damaged and/or in need of rehabilitation
- Identify wells that are no longer needed
- Complete well inspection reports for all wells

Well Rehabilitation and Decommissioning

- Add, repair, or replace protective casings, concrete pads, and monitoring well locks
- Rehabilitate or replace old, non-functional wells
- Decommission wells based on State regulations and standards
- Complete necessary decommissioning forms



Site Specific or Installation-wide Ground-Water Monitoring Program

- Develop new ground-water monitoring programs
- Evaluate or update existing ground-water monitoring programs
- Monitor ground-water flow onto and off installation
- Perform seasonal ground-water monitoring
- Estimate aquifer characteristics through slug/pump testing